810 Invoice

Functional Group ID=IN

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

1. This Standard is the accepted Treasury convention for the On-line Payment and Collection (OPAC) system and the Electronic Data Interchange Payment and Collection (EDIPAC) system. The transaction set can be used by Federal Agencies to provide for customary and established business and industry practice relative to the billing for goods and services provided.

2. Special processing instructions are provided for agencies that wish to transmit transactions between EDIPAC and OPAC on-line users.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	010	ST	Transaction Set Header	M	1		
6	020	BIG	Beginning Segment for Invoice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	100		
Not Used	040	CUR	Currency	O	1		
8	050	REF	Reference Identification	O	12		
Not Used	055	YNQ	Yes/No Question	O	10		
Not Used	060	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			200	
10	070	N1	Name	O	1		
Not Used	080	N2	Additional Name Information	O	2		
Not Used	090	N3	Address Information	O	2		
Not Used	100	N4	Geographic Location	O	1		
12	110	REF	Reference Identification	O	12		
14	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
16	140	DTM	Date/Time Reference	O	10		
Not Used	150	FOB	F.O.B. Related Instructions	O	1		
Not Used	160	PID	Product/Item Description	O	200		
Not Used	170	MEA	Measurements	O	40		

				Req.	Max.Use	Loop Repeat	Notes and Comments
Not Used	180	PWK	Paperwork	O	25		
Not Used	190	PKG	Marking, Packaging, Loading	O	25		
Not Used	200	L7	Tariff Reference	O	1		
Not Used	212	BAL	Balance Detail	O	>1		
Not Used	213	INC	Installment Information	O	1		
Not Used	214	PAM	Period Amount	O	>1		
			LOOP ID - LM			10	
Not Used	220	LM	Code Source Information	O	1		
Not Used	230	LQ	Industry Code	M	100		
			LOOP ID - N9			1	
Not Used	240	N9	Reference Identification	O	1		
Not Used	250	MSG	Message Text	M	10		
			LOOP ID - V1			>1	
Not Used	260	V1	Vessel Identification	O	1		
Not Used	270	R4	Port or Terminal	O	>1		
Not Used	280	DTM	Date/Time Reference	O	>1		
			LOOP ID - FA1			>1	
17	290	FA1	Type of Financial Accounting Data	O	1		
18	300	FA2	Accounting Data	M	>1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
19	010	IT1	Baseline Item Data (Invoice)	O	1		
Not Used	012	CRC	Conditions Indicator	O	1		
Not Used	015	QTY	Quantity	O	5		n1
Not Used	020	CUR	Currency	O	1		
Not Used	030	IT3	Additional Item Data	O	5		
Not Used	040	TXI	Tax Information	O	10		
Not Used	050	CTP	Pricing Information	O	25		
Not Used	055	PAM	Period Amount	O	10		
Not Used	059	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
Not Used	060	PID	Product/Item Description	O	1		
Not Used	070	MEA	Measurements	O	10		
Not Used	080	PWK	Paperwork	O	25		
Not Used	090	PKG	Marking, Packaging, Loading	O	25		
Not Used	100	PO4	Item Physical Details	O	1		
Not Used	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
23	120	REF	Reference Identification	O	>1		
Not Used	125	YNQ	Yes/No Question	O	10		
Not Used	130	PER	Administrative Communications Contact	O	5		
Not Used	140	SDQ	Destination Quantity	O	500		
Not Used	150	DTM	Date/Time Reference	O	10		

Not Used	160	CAD	Carrier Detail	O	>1	
Not Used	170	L7	Tariff Reference	O	>1	
Not Used	175	SR	Requested Service Schedule	O	1	
			LOOP ID - SAC			25
25	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	190	TXI	Tax Information	O	10	
			LOOP ID - SLN			1000
Not Used	200	SLN	Subline Item Detail	O	1	
Not Used	205	DTM	Date/Time Reference	O	1	
Not Used	210	REF	Reference Identification	O	>1	
Not Used	220	PID	Product/Item Description	O	1000	
Not Used	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25	
Not Used	235	TC2	Commodity	O	2	
Not Used	237	TXI	Tax Information	O	10	
			LOOP ID - N1			200
Not Used	240	N1	Name	O	1	
Not Used	250	N2	Additional Name Information	O	2	
Not Used	260	N3	Address Information	O	2	
Not Used	270	N4	Geographic Location	O	1	
Not Used	280	REF	Reference Identification	O	12	
Not Used	290	PER	Administrative Communications Contact	O	3	
Not Used	295	DMG	Demographic Information	O	1	
			LOOP ID - LM			10
Not Used	300	LM	Code Source Information	O	1	
Not Used	310	LQ	Industry Code	M	100	
			LOOP ID - V1			>1
Not Used	320	V1	Vessel Identification	O	1	
Not Used	330	R4	Port or Terminal	O	>1	
Not Used	340	DTM	Date/Time Reference	O	>1	
			LOOP ID - FA1			>1
Not Used	350	FA1	Type of Financial Accounting Data	O	1	
Not Used	360	FA2	Accounting Data	M	>1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
27	010	TDS	Total Monetary Value Summary	M	1		
Not Used	020	TXI	Tax Information	O	10		
Not Used	030	CAD	Carrier Detail	O	1		
Not Used	035	AMT	Monetary Amount	O	>1		
			LOOP ID - SAC			25	
28	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	050	TXI	Tax Information	O	10		

			LOOP ID - ISS			>1	
Not Used	060	ISS	Invoice Shipment Summary	O	1		
Not Used	065	PID	Product/Item Description	O	1		
30	070	CTT	Transaction Totals	O	1		n2
31	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade -ins or returns.

2. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: **ST** **Transaction Set Header**

Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			810 Invoice		
Must Use	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment:	**BIG** Beginning Segment for Invoice	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates	
Syntax Notes:		
Semantic Notes:	**1**	BIG01 is the invoice issue date.
	2	BIG03 is the date assigned by the purchaser to purchase order.
	3	BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments:	**1**	BIG07 is used only to further define the type of invoice when needed.
Notes:		*1. If BIG07 = DI (Debit Invoice) then BIG04 must be used.*
		2. If BIG07 = CI (Consolidated Invoice) then the buyer's requisition number is in 2/REF02/120.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	BIG01	373	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
			EDIPAC fm On-line: Treasury will input process date as default to invoice date.		
Must Use	BIG02	76	**Invoice Number**	**M**	**AN 1/22**
			Identifying number assigned by issuer		
			On-line: Maximum field size is limited to 10 positions for invoice number.		
	BIG03	373	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		
			Recommendation: Leave blank.		
			EDIPAC to On-line: No date for PO is recorded for the On-line system.		
	BIG04	324	**Purchase Order Number**	**O**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			Recommendation: Leave blank. Generally, the PO information is shown in the Table 2, REF segment (seq. 120). BIG04 may be used if a single purchase order number is processed.		
Not Used	BIG05	328	**Release Number**	**O**	**AN 1/30**
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
Not Used	BIG06	327	**Change Order Sequence Number**	**O**	**AN 1/8**

Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set

Must Use   BIG07   640   Transaction Type Code   O   ID 2/2

Code specifying the type of transaction

1. EDIPAC fm On-line: Treasury provided code when generated from the On-line system.

2. Use of this data element is required.

CI	Consolidated Invoice
DI	Debit Invoice

Not Used   BIG08   353   Transaction Set Purpose Code   O   ID 2/2

Code identifying purpose of transaction set

Not Used   BIG09   306   Action Code   O   ID 1/2

Code indicating type of action

Not Used   BIG10   76   Invoice Number   O   AN 1/22

Identifying number assigned by issuer

	Segment:	**REF** Reference Identification
	Position:	050
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	12
	Purpose:	To specify identifying information
	Syntax Notes:	1 At least one of REF02 or REF03 is required.
		2 If either C04003 or C04004 is present, then the other is required.
		3 If either C04005 or C04006 is present, then the other is required.
	Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
	Comments:	
	Notes:	*This data will be provided by GOALS.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			O7 On-line Procurement and Accounting Control (OPAC) Transaction		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			1. This number will be supplied by the OPAC system.		
			2. Use of this data element is required.		
Not Used	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	REF04	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04004	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Not Used	C04005	128	**Reference Identification Qualifier**	X	ID 2/3

Code qualifying the Reference Identification

Not Used	C04006	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**N1** Name	
Position:	070	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			EDIPAC fm On-line: Treasury provided code when generated from the On-line system.		
			BT Bill-to-Party		
			II Issuer of Invoice		
	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
			EDIPAC to/fm On-line system: Not used in the On-line system. Organizations identified by the ALC in the N104 element.		
Must Use	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			1. EDIPAC fm On-line: Treasury provided code when generated from the On-line system.		
			2. Use of this data element is required.		
			ZZ Mutually Defined		
			Use to indicate an Agency Location Code.		
Must Use	N104	67	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			1. The 8 digit Agency Location Code assigned by Treasury.		
			2. Use of this data element is required.		

Not Used   **N105**   **706**   **Entity Relationship Code**   **O**   **ID 2/2**

Code describing entity relationship

Not Used   **N106**   **98**   **Entity Identifier Code**   **O**   **ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

		Segment:	**REF** Reference Identification

Segment: **REF** Reference Identification

Position:	110
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	*1. To provide OPAC DO symbol reference number.*
	2. Use this segment when the N101 code is II.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			EDIPAC fm On-line: Treasury provided code when generated from the On-line system.		
			DX Department/Agency Number		
			OPAC Disbursing Office Symbol number.		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			1. OPAC DO symbol of the originator of the 810 transaction set.		
			2. Use of this data element is required.		
Not Used	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	REF04	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	**Reference Identification Qualifier**	X	ID 2/3

Code qualifying the Reference Identification

| **Not Used** | **C04004** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| **Not Used** | **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

| **Not Used** | **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**PER** Administrative Communications Contact
Position:	120
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*Use this segment when the N1 01 code is II.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PER01	366	**Contact Function Code**	M	ID 2/2

Code identifying the major duty or responsibility of the person or group named

EDIPAC fm On-line: Treasury provided code when generated from the On-line system.

	AD	Accounting Department
	IC	Information Contact

	Ref. Des.	Data Element	Name		Attributes
Must Use	PER02	93	**Name**	O	AN 1/60

Free-form name

1. Limited to 20 positions for the Contact Name in the On-line system.

2. Use of this data element is required.

	Ref. Des.	Data Element	Name		Attributes
Must Use	PER03	365	**Communication Number Qualifier**	X	ID 2/2

Code identifying the type of communication number

1. EDIPAC fm On-line: Treasury provided code when generated from the On-line system.

2. Use of this data element is required.

	TE	Telephone

	Ref. Des.	Data Element	Name		Attributes
Must Use	PER04	364	**Communication Number**	X	AN 1/80

Complete communications number including country or area code when applicable

1. Maximum field size is 12 positions for the telephone number in the On-line system. Use PER06 if additional positions are required.

2. Use of this data element is required.

	PER05	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

EDIPAC to On-line: Not used. Only one telephone is provided in On-line system.

	AU	Defense Switched Network
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
	EM	Electronic Mail
	FT	Federal Telecommunications System (FTS)
	FX	Facsimile
	IT	International Telephone
	PS	Packet Switching
	TE	Telephone
	TL	Telex
	TM	Telemail
	TX	TWX

	PER06	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

Not Used	PER07	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

Not Used	PER08	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN 1/20**

Additional reference number or description to clarify a contact number

	Segment:	**DTM** Date/Time Reference
	Position:	140
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	10
	Purpose:	To specify pertinent dates and times

Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *This data will be supplied by GOALS OPAC and will be used for both accomplish date and accounting date.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3

Code specifying type of date or time, or both date and time

    009   Process

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM02	373	**Date**	X	DT 8/8

Date expressed as CCYYMMDD

Use of this data element is required.

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM03	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use of this data element is required.

	Ref. Des.	Data Element	Name		Attributes
Not Used	DTM04	623	**Time Code**	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name		Attributes
Not Used	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name		Attributes
Not Used	DTM06	1251	**Date Time Period**	X	AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**FA1** Type of Financial Accounting Data	
Position:	290	
Loop:	FA1	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation	
Syntax Notes:		
Semantic Notes:	1	FA101 Identifies the organization controlling the assignment of financial accounting information.
	2	FA102 Identifies the purpose of the accounting allowance or charge information.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	FA101	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	FA102	1300	**Service, Promotion, Allowance, or Charge Code**	O	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	FA103	248	**Allowance or Charge Indicator**	O	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment:	**FA2** Accounting Data		
Position:	300		
Loop:	FA1		
Level:	Heading		
Usage:	Mandatory		
Max Use:	>1		
Purpose:	To specify the detailed accounting data		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	FA201	1196	**Breakdown Structure Detail Code**	M ID 2/2

Codes identifying details relating to a reporting breakdown structure tree

    A8   Treasury Symbol Number

1. If used, this code will indicate the appropriation for the originator of the 810 transaction set.

2. EDIPAC to On-line: Maximum field size id limited to 11 positions for appropriation number.

    H5   Classification Code

1. If used, this code will indicate the accounting classification code number.

2. Maximum field size is limited to 11 positions for accounting classification code in the On-line system.

	Ref. Des.	Data Element	Name	Attributes
Must Use	FA202	1195	**Financial Information Code**	M AN 1/80

Code representing financial accounting information

Segment:	**IT1** Baseline Item Data (Invoice)
Position:	010
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:	1 If any of IT102 IT103 or IT104 is present, then all are required.
	2 If either IT106 or IT107 is present, then the other is required.
	3 If either IT108 or IT109 is present, then the other is required.
	4 If either IT110 or IT111 is present, then the other is required.
	5 If either IT112 or IT113 is present, then the other is required.
	6 If either IT114 or IT115 is present, then the other is required.
	7 If either IT116 or IT117 is present, then the other is required.
	8 If either IT118 or IT119 is present, then the other is required.
	9 If either IT120 or IT121 is present, then the other is required.
	10 If either IT122 or IT123 is present, then the other is required.
	11 If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	1 IT101 is the purchase order line item identification.
Comments:	1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
	2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	IT101	**350**	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
Must Use	**IT102**	**358**	**Quantity Invoiced**	**X**	**R 1/10**
			Number of units invoiced (supplier units)		
			Maximum field size is limited to 7 positions for the Quantity field in the On-line system.		
Must Use	**IT103**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Any code may be used. The listed codes are sample only.		
			BX Box		
			EA Each		
			EX Feet, inches and Fraction		
			TN Net Ton (2,000 LB)		

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use	**IT104**	**212**	**Unit Price**	**X**	**R 1/17**

Price per unit of product, service, commodity, etc.

Maximum field size is limited to 7 positions for the On-line system.

	IT105	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**

Code identifying the type of unit price for an item

This element not used by the On-line system.

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use	**IT106**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. This element will be used to indicate Pay Status and qualifies IT107.

2. EDIPAC fm On-line: Treasury provided code when generated by the On-line system.

3. Use of this data element is required.

ZZ   Mutually Defined

Use to indicate a Treasury provided code.

Must Use	**IT107**	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

1. Use of this data element is required.

2. When IT106 is code "ZZ", enter either an "F" to indicate a final payment or a "P" to indicate a partial payment.

	IT108	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

This data element is not used by the On-line system.

Refer to 004010 Data Element Dictionary for acceptable code values.

	IT109	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

	IT110	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

This element is not used by the On-line system.

Refer to 004010 Data Element Dictionary for acceptable code values.

	IT111	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

	IT112	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

		This element is not used by the On-line system.		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
IT113	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT114	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		This element is not used by the On-line system.		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
IT115	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT116	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		This element is not used by the On-line system.		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
IT117	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT118	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		This element is not used by the On-line system.		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
IT119	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT120	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		This element is not used by the On-line system.		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
IT121	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT122	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		This element is not used by the On-line system.		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
IT123	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT124	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in		

Product/Service ID (234)

This element is not used by the On-line system.

Refer to 004010 Data Element Dictionary for acceptable code values.

IT125   234   Product/Service ID   X   AN 1/48

Identifying number for a product or service

Segment:	**REF** Reference Identification			
Position:	120			
Loop:	IT1			
Level:	Detail			
Usage:	Optional			
Max Use:	>1			
Purpose:	To specify identifying information			
Syntax Notes:	1	At least one of REF02 or REF03 is required.		
	2	If either C04003 or C04004 is present, then the other is required.		
	3	If either C04005 or C04006 is present, then the other is required.		
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.		
Comments:				
Notes:	*Use this segment to identify Purchase Order, Contract Number, Job Order Cite ID, ACRN, and CLIN data.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

1. The qualifier codes are samples only. Any of the codes could be sent, as applicable.

2. EDIPAC to on-line use code "ZZ" when the REF02 is blank (not used) and comments are passed in REF03.

3. Any code can be used. The listed codes are samples only.

AX Government Accounting Class Reference Number (ACRN)
BC Buyer's Contract Number
C7 Contract Line Item Number
CT Contract Number
JB Job (Project) Number
PO Purchase Order Number
ZZ Mutually Defined

Use to indicate comments appear in REF03. This code can be used up to 4 times but each use is a separate repetition of this REF segment.

Refer to 004010 Data Element Dictionary for acceptable code values.

	REF02	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

1. EDIPAC to/fm On-line: This element can be used to match the following On-line fields:

> *PO - Maximum 17 positions*
> *JAS - Maximum 12 positions*
> *Contract Line Item - Maximum 6 positions*
> *Obligation Doc No. - Maximum 17 positions*
>
> *2. Use of this data element is required.*

	REF03	352	**Description**	X	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	**REF04**	**C040**	**Reference Identifier**	**O**	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information	
Position:	180	
Loop:	SAC	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge	

Syntax Notes:	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
	8	If SAC16 is present, then SAC15 is required.
Semantic Notes:	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7	SAC16 is used to identify the language being used in SAC15.
Comments:	1	SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	*1. This segment is not used by the On-line system.*	
	2. SAC amounts + IT1 amounts SHOULD = TDS amounts. (However, there is no edit in the system for this calculation).	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SAC01	248	**Allowance or Charge Indicator**	M ID 1/1
			Code which indicates an allowance or charge for the service specified	

Refer to 004010 Data Element Dictionary for acceptable code values.

	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	**ID 4/4**

Code identifying the service, promotion, allowance, or charge

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	X	**ID 2/2**

Code identifying the agency assigning the code values

Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	**AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge

	SAC05	610	**Amount**	O	**N2 1/15**

Monetary amount

Not Used	SAC06	378	**Allowance/Charge Percent Qualifier**	X	**ID 1/1**

Code indicating on what basis allowance or charge percent is calculated

Not Used	SAC07	332	**Percent**	X	**R 1/6**

Percent expressed as a percent

Not Used	SAC08	118	**Rate**	O	**R 1/9**

Rate expressed in the standard monetary denomination for the currency specified

Not Used	SAC09	355	**Unit or Basis for Measurement Code**	X	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	SAC10	380	**Quantity**	X	**R 1/15**

Numeric value of quantity

Not Used	SAC11	380	**Quantity**	O	**R 1/15**

Numeric value of quantity

Not Used	SAC12	331	**Allowance or Charge Method of Handling Code**	O	**ID 2/2**

Code indicating method of handling for an allowance or charge

Not Used	SAC13	127	**Reference Identification**	X	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	SAC14	770	**Option Number**	O	**AN 1/20**

A unique number identifying available promotion or allowance options when more than one is offered

Not Used	SAC15	352	**Description**	X	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	SAC16	819	**Language Code**	O	**ID 2/3**

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**TDS** Total Monetary Value Summary	
Position:	010	
Loop:		
Level:	Summary	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify the total invoice discounts and amounts	
Syntax Notes:		
Semantic Notes:	1	TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
	2	TDS02 indicates the amount upon which the terms discount amount is calculated.
	3	TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
	4	TDS04 indicates the total amount of terms discount.
Comments:	1	TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	TDS01	610	**Amount**	M	N2 1/15
			Monetary amount		
Not Used	TDS02	610	**Amount**	O	N2 1/15
			Monetary amount		
Not Used	TDS03	610	**Amount**	O	N2 1/15
			Monetary amount		
Not Used	TDS04	610	**Amount**	O	N2 1/15
			Monetary amount		

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	040
Loop:	SAC
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	1 At least one of SAC02 or SAC03 is required.
	2 If either SAC03 or SAC04 is present, then the other is required.
	3 If either SAC06 or SAC07 is present, then the other is required.
	4 If either SAC09 or SAC10 is present, then the other is required.
	5 If SAC11 is present, then SAC10 is required.
	6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7 If SAC14 is present, then SAC13 is required.
	8 If SAC16 is present, then SAC15 is required.
Semantic Notes:	1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3 SAC08 is the allowance or charge rate per unit.
	4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7 SAC16 is used to identify the language being used in SAC15.
Comments:	1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	*This element is not used by the On-line system.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	X	ID 2/2

Code identifying the agency assigning the code values

Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10

Agency maintained code identifying the service, promotion, allowance, or charge

	SAC05	610	**Amount**	O	N2 1/15

Monetary amount

Not Used	SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID 1/1

Code indicating on what basis allowance or charge percent is calculated

Not Used	SAC07	332	**Percent**	X	R 1/6

Percent expressed as a percent

Not Used	SAC08	118	**Rate**	O	R 1/9

Rate expressed in the standard monetary denomination for the currency specified

Not Used	SAC09	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	SAC10	380	**Quantity**	X	R 1/15

Numeric value of quantity

Not Used	SAC11	380	**Quantity**	O	R 1/15

Numeric value of quantity

Not Used	SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID 2/2

Code indicating method of handling for an allowance or charge

Not Used	SAC13	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	SAC14	770	**Option Number**	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not Used	SAC15	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their content

Not Used	SAC16	819	**Language Code**	O	ID 2/3

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**CTT** Transaction Totals				
Position:	070				
Loop:					
Level:	Summary				
Usage:	Optional				
Max Use:	1				
Purpose:	To transmit a hash total for a specific element in the transaction set				
Syntax Notes:	**1**	If either CTT03 or CTT04 is present, then the other is required.			
	2	If either CTT05 or CTT06 is present, then the other is required.			
Semantic Notes:					
Comments:	**1**	This segment is intended to provide hash totals to validate transaction completeness and correctness.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
Not Used	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
Not Used	CTT03	81	**Weight**	X	R 1/10
			Numeric value of weight		
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT05	183	**Volume**	X	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

	Segment:	**SE** **Transaction Set Trailer**
	Position:	080
	Loop:	
	Level:	Summary
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
	Syntax Notes:	
	Semantic Notes:	
	Comments:	**1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	SE01	96	**Number of Included Segments**	**M**	**N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	**M**	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		